

ULTRA-PURE CLO₂ WATER APPLICATIONS



WHO WE ARE

SMT specializes in the manufacture and application of ultra-pure chlorine dioxide products.

We strive to provide the absolute best solutions and strategies for reducing and eliminating bacteria, viruses, and other pathogens from whatever environments our customers are working in. We are dedicated to making spaces cleaner and safer for those that occupy them.

THE SELECTIVE MICRO DIFFERENCE

Our chlorine dioxide products are unlike any other available on the market. Our patented micro-reactors utilize a proprietary membrane technology which yields the most pure solutions of chlorine dioxide possible. What this means to the end user is that there is no requirement to mix chemicals, there is no unnecessary exposure to precursor chemistry, and solutions generate to a neutral pH while having high compatibility with surfaces. It also means that the end user can work with less-concentrated solutions in order to achieve better results!

SELECTROCIDE® CLO₂ IN ACTION

Selectrocide® is a water activated disinfectant and deodorizer. It works through oxidation. For this reason, microbes cannot develop resistant strains. Chlorine dioxide is highly effective anti-microbial against bacteria, viruses, fungi, spore formers and even biofilm. Our CLO₂ is EPA registered as a broad spectrum disinfectant. It is non-residual, safe to use around people, fast, easy, and effective.

WASTEWATER/WATER SYSTEMS

Our pure CLO₂ is used to disinfect many different types of water holding tanks and transfer lines for potable water systems. Some uses include:

- Antimicrobial water treatment to reduce cross contamination
- Tank disinfection for water systems used in production

ANIMAL DRINKING WATER

Our ultra-pure chlorine dioxide products can help improve herd or flock health and increase profits. Our EPA registered products can be used as an antimicrobial water treatment to reduce bacterial and other pathogenic populations in water. Chlorine dioxide can also oxidize iron, manganese, phenols, and other floating particles decreasing turbidity which removes tastes and odors from the water, encouraging higher consumption. Chlorine dioxide has also been shown to prohibit the growth of bacteria and algae in drinking water systems, which can prevent buildup of bioslimes that harbor pathogenic organisms.

IN POULTRY FARMS

- Decrease mortality rate of flock
- Increased weight gain
- Improved feed conversion

IN HOG FARMS

- Decrease mortality rate of flock
- Increased weight gain
- Improved feed conversion

IN DAIRY FARMS

- Increase milk production
- Reduce bacterial populations in water
- Decrease prevalence of scours

☎ 855-256-8299

✉ inquiry@selectivemicro.com

🌐 www.selectivemicro.com